



JENNIFER M. GRANHOLM  
GOVERNOR

STATE OF MICHIGAN  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
LANSING



STEVEN E. CHESTER  
DIRECTOR

October 27, 2006

Mr. David Woodman, Superintendent  
Coldwater Wastewater Treatment Plant  
100 Jay Street  
Coldwater, Michigan 49036

Dear Mr. Woodman:

SUBJECT: Operating Plan Approval  
Coldwater Wastewater Treatment Plant

The Department of Environmental Quality (DEQ) Water Bureau, has completed review of the Coldwater Wastewater Treatment Plant Septage Waste Receiving Facility (SWRF) Operating Plan, including the additional information that was submitted. The operating plan is approved. The SWRF must operate in accordance with the approved plan. If a change in operations or conditions is anticipated, please file an amendment to the plan at least thirty (30) days prior to the proposed date for implementation.

If you have any questions concerning this matter, please contact me.

Sincerely,

Ebi Burutolu, Soil Scientist  
On-Site Wastewater Unit  
Drinking Water and Environmental Health Section  
Lansing Operations Division  
Water Bureau  
517-241-4598

eb:ckp

cc: Ms. Rebecca Burns, Branch-Hillsdale, St. Joseph Community Health Agency,  
St. Joseph County  
Mr. Richard Falardeau, DEQ  
Mr. Greg Danneffel, DEQ



## DEQ Septage Receiving Facility Checklist

Page 1

Name of Septage Receiving Facility:

**Coldwater - SRF**

DEQ Reviewer: E. Burutolu

Review Date: Oct. 2006

Address of Septage Receiving Facility:

**100 Jay Street**

**Coldwater, MI 49036**

Facility Contact: David Woodman

Telephone Number: 517-279-9531

The following information must be submitted in the Operation Plan in order to receive DEQ approval:

<u>Requirement</u>	<u>Yes</u>	<u>No</u>	<u>Comments</u>
1. Location of septage RF.	X		
2. Hours of operation.	X		Applies to holidays.
3. Categories of septage waste the RF will receive.	X		
4. If food establishment septage is accepted, how is the RF ensuring that the FES meets the 1:3 ratio mandated by law? (Not OP req't.)	X		FES not accepted
5. *Fee structure charged to hauler.	X		\$.085 / gal or \$85.00/1000gals
6. *Service area (septage acceptance) description of RF defined in detail.	X		Branch County
7. Notice of proposed operation plan: a) Was it mailed to county HD and legislative body of each city, village and township located in whole or in part of the service area?	X		

# Septage Receiving Facility Checklist

Page 2

Name of Septage Receiving Facility:

<u>Requirement</u>	<u>Yes</u>	<u>No</u>	<u>Comments</u>
7. Notice of proposed op. plan, continued:			
b) Was it public noticed in the local newspaper?	X		
c) Was it posted on the facility website?	X		
8. Did the notice contain the following?			
a. Statement that the RF proposed to or is currently receiving and will continue to receive septage waste for treatment.	X		
b. Statement in the notice that the proposed operating plan is available for review during normal work hours.	X		
c. A request for written comments on the proposed operation of the RF and the deadline for receipt of such comments, which shall not be less than 30 days after publication, posting, or mailing of the notice.	X		
d. Receiving facility capacity.			
I) Hydraulic capacity:	X		
II) Organic capacity:	X		
*III) Wet weather operation considerations (CSO & SSO)			Not indicated.
9. Other conditions established for the RF.			

\*5. Fee structure - must be justified and reasonable in accordance with standard accounting practices.

\*6. This should be both written and illustrated on a map of the area. The service area information should include whether or not there is a county ordinance that also defines what they can or can't

accept. It should also include whether or not they accept septage pumped outside of the service area.

\*8.d.(III). CSO-Combined Sewer Overflow and SSO-Sanitary Sewer Overflow.

**COLDWATER BOARD OF PUBLIC UTILITIES**  
**WASTEWATER TREATMENT PLANT**  
**SEPTAGE RECEIVING STATION**  
**OPERATION PLANS**

**2006**

## **GENERAL FACILITY INFORMATION**

### **Facility:**

Coldwater Wastewater Treatment Plant

100 Jay Street.

Coldwater, MI 49036

### **Facility Contact:**

David L. Woodman

WWTP. Superintendent

Telephone: (517) 279-9531 Fax: (517) 278-5107

E-mail: dlwoodman@muni.cbpu.com

### **Mailing Address:**

1 Grand Street

Coldwater, MI 49036

## **HOURS OF OPERATION**

Monday – Friday 7:00 a.m. to 4:45 p.m.

Saturday, Sunday and Holidays 8:00 a.m. to 3:45 p.m.

## **WASTES THAT ARE ACCEPTED**

Domestic Septage (only) – Residential Septic Tanks. No commercial waste will be accepted including but not limited to food establishment septage that is other than domestic waste. No grease trap waste will be accepted.

**FEE STRUCTURE TO DISPOSE OF SEPTAGE**

## **FEE STRUCTURE TO DISPOSE OF SEPTAGE**

Septage will be billed at a per gallon rate. (see attached sheet) Billing will be based on the metered gallons that are received, as measured by the flow meter incorporated in the automated dump station. The hauler(s) will then be billed monthly or as otherwise agreed upon based on the metered amounts. All payments are due 30 days from invoicing and failure to pay on time can result in suspension of discharge privileges until accounts are made current. The fee structure will be reviewed annually at the time that the Utilities Ruled Regulations and Rates are reviewed.

## **CURRENT SEPTAGE FLOWS AND LOADINGS**

See Attached Sheet.

## **SERVICE AREA**

The Coldwater Board of Public Utilities Wastewater Treatment Plant will accept domestic septage from Branch County. (map attached)

## **ADDITIONAL CONDITIONS FOR USE**

### **COLDWATER BOARD OF PUBLIC UTILITIES**

### **WASTEWATER TREATMENT PLANT**

### **DOMESTIC SEPTAGE WASTE RECEIVING STATION**

### **RULES / REGULATIONS**

The Coldwater Board of Public Utilities Wastewater Treatment Plant reserves the right to refuse any and all loads of waste that are believed not to be of domestic septage origin or that we believe may be harmful to the treatment process. Only septage hauled by a licensed septage hauler will be accepted.

The Wastewater plant staff will from time to time request a sample of the hauled in waste for testing.

**SEPTAGE DUMP STATION** – The Wastewater Treatment Plant will provide a hose and hydrant to keep the Septage dump station clean.

**UNLOADING HOURS** – Monday – Friday 7:00 A.M. to 4:45 P.M.  
Saturdays, Sundays and Holidays 8:00 A.M. to 3:45 P.M.



**COST/PAYMENT** - The cost for Septage will be on an amount per gallon as received at the Wastewater Treatment Plant. This charge will be in proportion to the cost to treat the septage. This cost will be reviewed yearly and any decrease or increase that is appropriate will be done at that time (see attached sheet).

The hauler(s) will be billed monthly or as otherwise agreed upon based on the metered amounts unloaded at the WWTP.  
The first key card(s) will be issued at no cost to the hauler.  
A fee will be charged to replace a key card lost or damaged.

## **SEPTAGE RECEIVING STATION UNLOADING PROCEDURE**

1. Connect hose for unloading.
2. Swipe Key Card.
3. Press start button.
4. Unload Truck.
5. Disconnect hose from truck.
6. Press stop button.
7. Take receipt.
8. Clean out Stone trap screen.
9. Hose down any spillage.

## **KEY CARDS**

Are available at the wastewater treatment plant office during operating hours:

The first key card(s) will be issued at no cost to the hauler. A fee will be charged to replace a key card lost or damaged.

## **AUTOMATED RECEIVING STATION**

All septage haulers will be issued a key card that will give them access to the receiving station.

With this system, billing will be based on the metered gallons that are received, as measured by the flow meter incorporated in the automated dump station. The hauler(s) will then be billed monthly or as otherwise agreed upon based on the metered amounts.

The hauler will be required to discharge into a 3" female quick connect coupling. The hauler will be responsible for any adapters needed to connect to the discharge point.

This automated station will allow the WWTP, through the SCADA computer system, to monitor the receiving station more closely.

The receiving station will incorporate the following:

1. A stone trap
2. Grinder pump
3. Metering of gallons received
4. Date and time received and a record of what the hauler dumped.
5. Manual sampling point.
6. A hauler receipt that will be available after unloading.

## **HAULERS RESPONSIBILITIES**

1. The first time a hauler stops at the plant they will be issued a key card(s) to be used to activate the receiving station.
2. The hauler is responsible for keeping the septage dump station clean and free of debris.
  - a. During cold weather periods the hose for cleanup will be stored inside to prevent freezing. All haulers will be expected to return the hose to the heated area after cleanup.
  - b. The Wastewater Treatment Plant will maintain the dump area as a safe and usable work area. If the hauler has concerns about the dump station they should inform the WWTP staff at once.
3. The hauler is responsible for cleaning the stone trap screen after every unloading. The WWTP will provide a container to hold the debris cleaned from the screen and will empty this container as needed. The general area around the screen should be hosed down after cleaning the screen.

Failure to keep the septage receiving station area and stone trap clean will result in suspension of discharge privileges.

Sewer Taps and Building Sewers

Cast Iron:

Sewers constructed of cast iron shall meet all of the requirements of the Plumbing Code.

Plastics:

Sewers constructed of plastic must be S-40 PVC or PVC ASTM D3034 (SDR35) and comply with commercial standard to meet all requirements of the Plumbing Code. The CBPU will consider other plastic pipe specifications on an individual basis.

Concrete Work:

Concrete for encasement and support of sewer pipes shall meet the requirements of the Plumbing Code and CBPU approval.

Septic and Non-Septic Waste Disposal:

Septic and non-septic wastes may be accepted for disposal at the wastewater treatment plant at the following rates:

Septic Tank Waste - \$85.00 per 1,000 gallons

Non-septic tank waste - \$80.00 per 1,000 gallons

Trucked Waste:

The CBPU may accept trucked waste at its wastewater treatment plant, providing the material is compatible with the removal processes at the wastewater treatment plant. Prior approval and arrangements must be made before acceptance of any trucked material.

Charges for receiving and processing the waste material will be based on the current wastewater rates, strength and amount of material delivered. The CBPU reserves the right to require sample testing of the material.

Preventative Maintenance:

The CBPU may enter into an agreement with commercial, institutional, industrial or governmental customers to establish a preventative maintenance agreement and payment procedure for regularly scheduled maintenance/cleaning of sewer and storm water lines.

## **CURRENT SEPTAGE FLOWS AND LOADINGS**

**Plant loading last 12 Months**

**June 2005 thru July 2006**

<u>Month</u>	<u>Gallons Septage</u>
June	17,250
July	20,100
August	13,950
September	18,050
October	2,200
November	5,000
December	3,650
January	4,500
February	2,650
March	6,100
April	4,950
May	20,500

**Totals:** 118,900

**Average Gallons / Month Last 12 Months:** 9,908

**Average Gallons / Day Last 12 Months:** 326

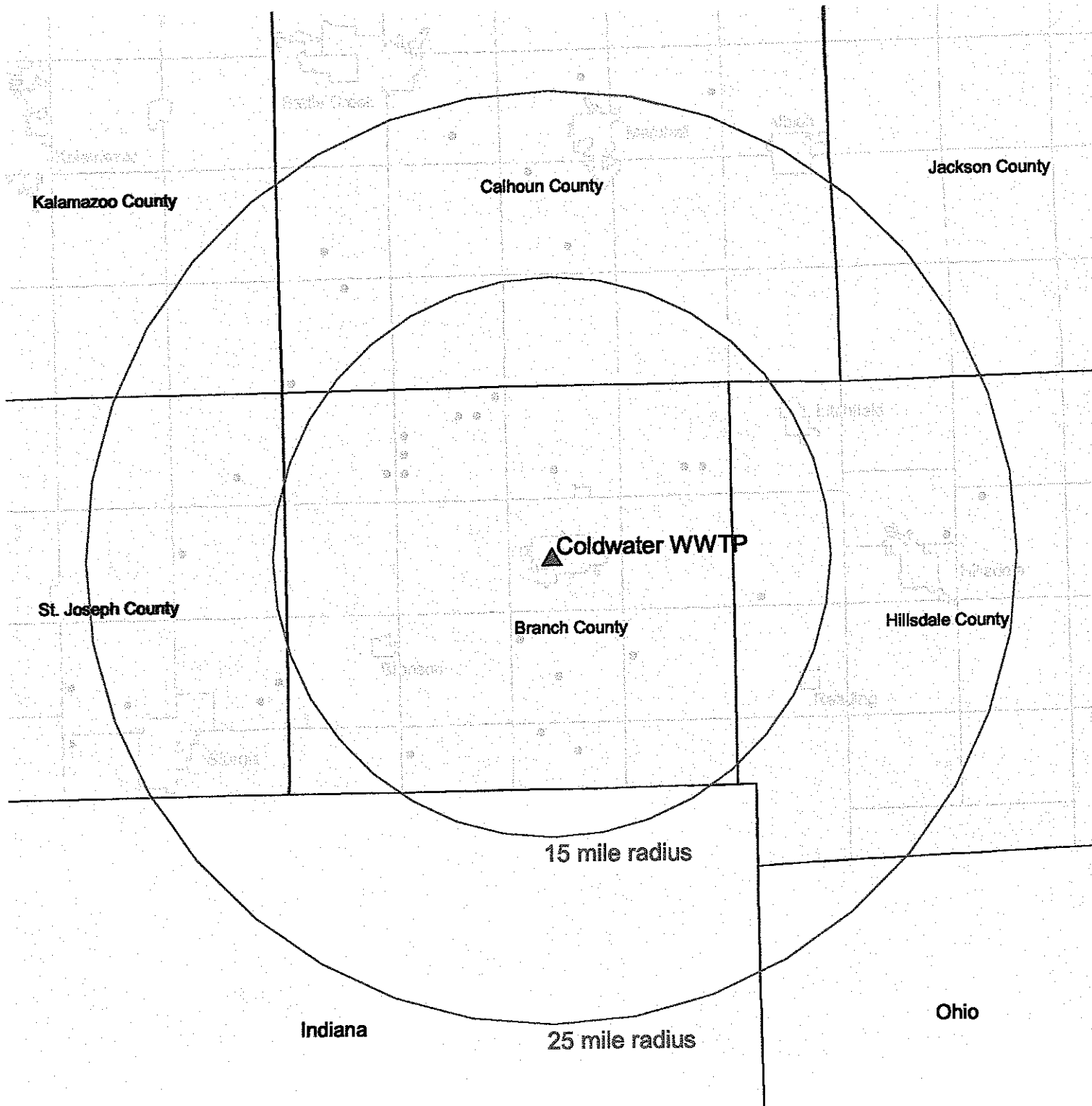
**Coldwater Board of Public Utilities**  
**Current Septage Flow & Loadings**

Volume received in last 12 months = 118,900 gallons  
 Loadings Estimated volume received in one year = 150,000 gallons

Parameter	Estimated Concentration (mg/l) (1)	Estimated annual load (lbs/year)	Estimated daily load (ppd)	Plant Basis of Design (ppd, annual average basis)	Septage load, as % of plant basis of design
CBOD5	7,000	8,757	24	4,010	0.60%
TSS	15,000	18,765	51	5,880	0.87%
NH3-N	125	156	0.43	530	0.08%
Phosphorus	250	313	0.86	160	0.54%

- (1) Concentrations from U.S.E.P.A. "Guide to Septage Treatment and Disposal", September 1994.  
 No recent septage samples have been taken at this facility.

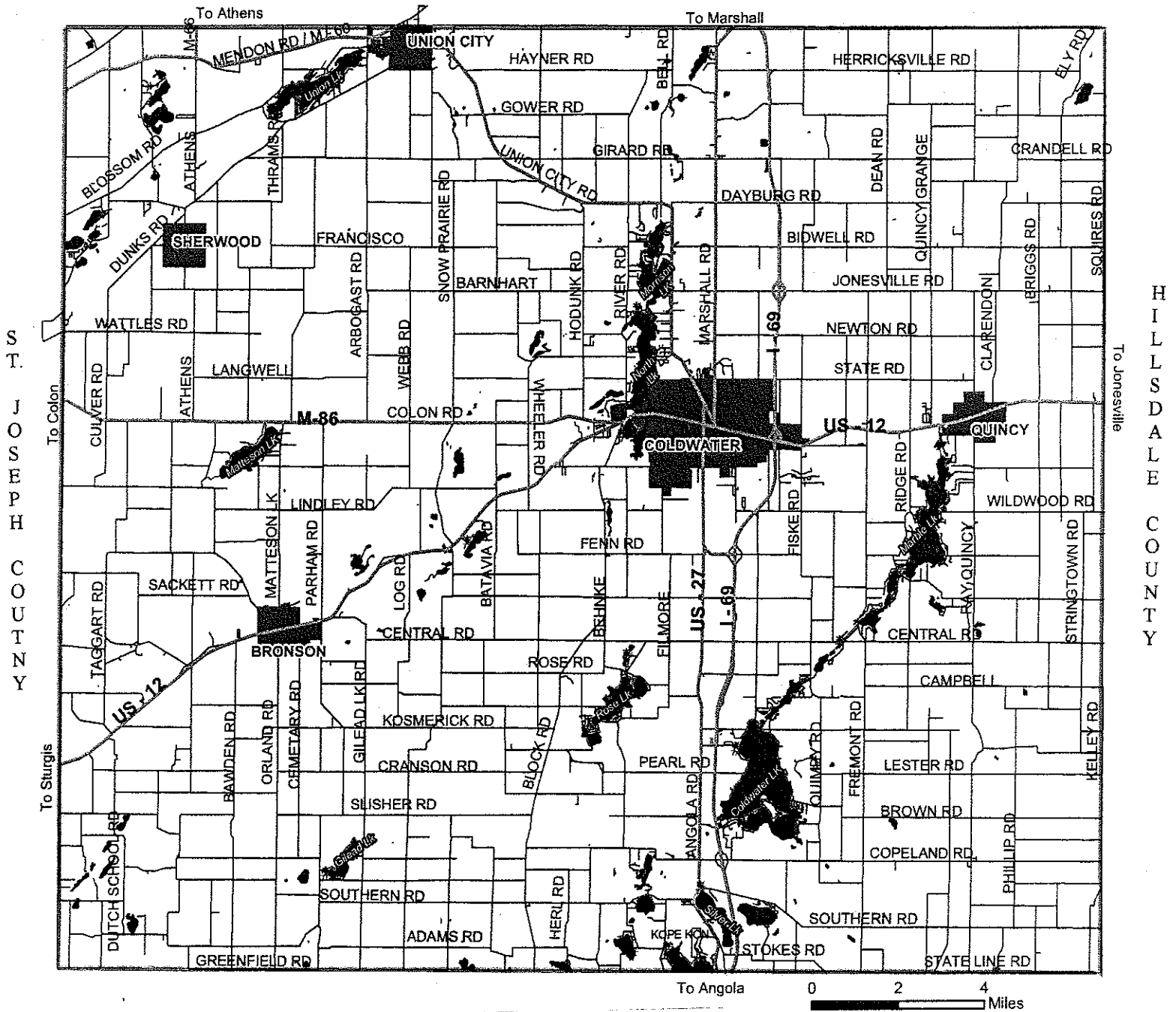
**SERVICE AREA**



**Map showing  
Coldwater Wastewater Treatment Plant  
with 15- and 25- mile radii and  
Site Disposal Locations**



CALHOUN COUNTY



Steuben County Indiana

COLDWATER BOARD OF PUBLIC UTILITIES

SEPTAGE RECEIVING SERVICE AREA

BRANCH COUNTY

**COPY OF LETTER SENT TO TOWNSHIPS AND MUNICIPALITIES AND**  
**LOCAL HAULERS FOR COMMENT.**

# Coldwater Board of Public Utilities

One Grand Street • Coldwater, Michigan 49036  
Telephone (517) 279-9531 • Facsimile (517) 278-5107 • E-mail: [cbpu@cbpu.com](mailto:cbpu@cbpu.com)

**Worldwide Technology with Hometown Service**

July 24, 2006

To Whom It May Concern:

Subject: Coldwater Wastewater Treatment Plant Septage Receiving Plan

The Coldwater Board of Public Utilities (CBPU) Wastewater Treatment Plant currently receives domestic septage for treatment and plans to continue to receive domestic septage for treatment in the future. A copy of the proposed operating plan for receiving domestic septage for treatment has been submitted to the Drinking Water and Environmental Health Section of the Michigan Department of Environmental Quality, for approval. A copy of the plan is enclosed. The plan is also available for review and comment at the CBPU Wastewater Treatment Plant located at 100 Jay Street or the CBPU office located at One Grand Street during normal business hours. A copy of the plan is also posted on the CBPU Website: [www.cbpu.com](http://www.cbpu.com). Written comments on the proposed operating plan shall be received no later than 30 days after this publication, posting or mailed notice.

Respectfully submitted,

Coldwater Board of Public Utilities



David L. Woodman  
Wastewater Treatment Plant Superintendent

Enclosure (1)

cc: Paul Beckhusen Director CBPU

**Electric • Water • Wastewater • Communications**

Member Michigan South Central Power Agency

**Copies of plan were sent to the following  
For comment**

**Cities:**

Coldwater 1 Grand Street, Coldwater, MI 49036  
Bronson – 141 South Matteson Street, Bronson, MI 49028

**Villages:**

Quincy – 47 Cole Street, Quincy, MI 49082  
Sherwood – 118 Sherman Street, Sherwood, MI 49089  
Union City – 208 N. Broadway, Union City, MI 49094

**Townships:**

Alagansee  
Batavia  
Bethel  
Bronson  
Butler  
California  
Coldwater  
Gilead  
Girard  
Kinderhook  
Matteson  
Noble  
Ovid  
Quincy  
Sherwood  
Union

**OTHERS:**

Branch County Health Department

## LIST OF SEPTAGE HAULERS

### Copies of plan sent to them for comment.

1. Anytime Septic Services  
717 N Broadway  
Union City, MI 49094
2. Burr Oak Septic Service – Matthew Wirtz owner.  
325 Taggart Road  
Burr Oak, MI 49030
3. Burrows Septic Service  
1220 Burlington Road  
Union City, MI 49094
4. General Sanitation Service  
429 Lake Warren Road  
Coldwater, MI 49036
5. Pifers Septic Tank Service  
304 Smith Road  
Coldwater, MI 49036
6. Todd's Septic Service  
111 W. Hayner Road  
Union City, MI 49094

**COPY OF NEWS PAPER NOTICE**

**PUBLISHED IN THE COLDWATER DAILY REPORTER**

**JULY 28, 2006**

## **NOTICE**

### **Coldwater Board of Public Utilities Proposed Septage Receiving Operating Plan**

The Coldwater Board of Public Utilities (CBPU) Wastewater Treatment Plant currently receives domestic septage for treatment and plans to continue to receive domestic septage for treatment in the future. A copy of the proposed operating plan for receiving domestic septage for treatment has been submitted to the Drinking Water and Environmental Health Section of the Michigan Department of Environmental Quality, for approval. The plan is available for review and comment at the CBPU Wastewater Treatment Plant located at 100 Jay Street or the CBPU office located at One Grand Street during normal business hours. A copy of the plan is also posted on the CBPU Website: [www.cbpu.com](http://www.cbpu.com). Written comments on the proposed operating plan shall be received no later than 30 days after this publication, posting or mailed notice.

*Daily Reporter*

*7/28/06*